Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB39-5

		7.96E-08	1.00E+00 7.96E-08	2.50E+03		4.44E-08	5.58E-01							1393.726	Sum
		1.04E-09		1.08E-03		5.79E-10		0.73		0.89	0.13	0.2	-	0.0006	Indeno(1,2,3-cd)pyrene
		6.91E-09		1.79E-03		3.86E-09		2.92		0.89	0.13	0.2		0.001	Dibenzo(a,h)anthracene
Š		2.25E-09		2.33E-02		1.25E-09		0.073		0.89	0.13	0.2		0.013	Chrysene
Averaging		3.46E-08		3.58E-03		1.93E-08		7.3		0.89	0.13	0.2		0.002	Benzo(a)pyrene
for Carcin	ePAHs	3.46E-09		3.58E-03	cPAHs	1.93E-09		0.73		0.89	0.13	0.2	_	0.002	Benzo(k)fluoranthene
Dermal Surf	all	1.04E-08		1.08E-02	all	5.79E-09		0.73		0.89	0.13	0.2	••••	0.006	Benzo(b)fluoranthene
Soil Ingestic	for	1.38E-08		1.43E-02	for	7.72E-09		0.73		0.89	0.13	0.2	,,	0.008	Benzo(a)anthracene
Exposure D		1.77E-10	8.08E-07	1.79E-03		9.85E-11	4.51E-07	0.091	0.03	0.8	0.03	0.2		0.001	1,2 Dichloroethane (EDC)
Exposure Fr		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00€÷00		85	0.000057	0.8	0.03	0.2	, market	0	Ethylene Dibromide (EDB)
A coragina 1				0.00E+00		~~~								0	MTBE
Average Bad			2.79E-03	1.24E+01	***************************************		1.56E-03		0.06	0.8	0.03	0.2	_	6.9	n-Hexane
for Non-ca			5.92E-04	7.17E-01			3.30E-04		0.02	68.0	0.13	0.2	_	0.4	Total Naphthalenes
			5.41E-06	8.06E-01			3.02E-06		2	0,9	0.03	0.2	-	0.45	Total Xylenes
0.000			1.15E-04	8.60E-01			6.43E-05		0.1	0.92	0.03	0.2		0.48	Ethylbenzene
Charle			1.84E-05	2.76E-01			1.03E-05		0.2	_	0.03	0.2		0.154	Toluene
		7.01E-09	5.31E-04	1.27E-01		3.91E-09	2.96E-04	0.055	0.003	0.95	0.0005	0.2	****	0.071	Benzene
			2.15E-02	3.58E±01			1.20E-02		0.03	0.5	0.1	0.2	1	19.9984	AR_EC >21-34
			1.40E-01	2.33E+02	***************************************		7.80E-02		0.03	0.5	0.1	0.2	_	129.969	AR_EC >16-21
			5.74E-02	1.59E+02			3.20E-02		0.05	0.5	0.1	0.2	,	89	AR_EC >12-16
			8.05E-03	2.97E+01			4.49E-03		0.05	8.0	0.03	0.2	****	16.6	AR_EC>10-12
			1.69E-02	6.25E+01	•		9.44E-03	·	0.05	8.0	0.03	0.2		34.87	AR_EC>8-10
			5.16E-04	5.73E+01			2.88E-04		2	0.5	0.1	0.2	l	32	AL EC>21-34
			4.35E-03	4.84E+02	•••••		2.43E-03		2	0.5	0.1	0.2	_	270	AL_EC>16-21
	******		5.48E-01	9.14E+02			3.06E-01		0.03	0.5	0.	0.2	_	510	AL_EC>12-16
			1.62E-01	3.58E+02			9.02E-02		0.03	0.8	0.03	0.2		200	AL_EC >10-12
Check			3.73E-02	8.28E+01			2.08E-02		0.03	8.0	0.03	0.2)	46.2	AL_EC>8-10
•••••			1.56E-04	6.56E+01			8.7E-05		5.7	8.0	0.03	0.2	-	36.6	AL_EC >6-8
				0.005+00	******				5.7	0.8	0.03	0.2		0	AL_EC >5-6
															Petroleum EC Fraction
		unitless	unidess	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	mg/kg	
	*	RISK	ΗQ			RISK	Đ	CPF,	RID,	Ω	ABS	ĄΨ	ABI	dry hasis	or EC Group
	Fass or			being tested	Fail?		••••							Сопс	Chemical of Concern
b. Chec	;			Soil Care	Page		**********							Measured Soil	
conce		ondition	Adjusted Condition		tion	Current Condition	Cur	Toxicity Parameters	Toxicity	3	arametei	Exposure Parameters			
adjus															

eck columns at left for Pass/Fail detail.

Check Residual Saturation (WAC340-747(10))	Cancer RISK= 7.960E-08 Pass or Fail? Pass	TPH, mg/kg== 2497.442 HI= 1.000E+00	Adjusted Condition		Check Residual Saturation (WAC340-747(10))	Pass or Fail? Pass	Cancer RISK= 4,442E-08	IPH, mg/kg= 1593.726 HI= 5.581E-01	Current Condition
--	---	--	--------------------	--	--	--------------------	------------------------	---------------------------------------	-------------------

Exposure Parameters	eters	
or Non-carcinogens		Units
verage Body Weight, ABW	16	kg.
veraging Time, AT	6.	Уľ
xposure Frequency, EF	****	unitless
xposure Duration, ED	6	yr.
oil Ingestion Rate, SIR	200	mg/day
ermal Surface Area, SA	2200	cm ²
or Carcinogens		
veraging time, AT C	75	УГ

MTCATPH Worksheets

TPH @ **Total Risk** = 1 x 10⁻⁵

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB2-6.5

	118.1	1.005-05	2.39E402 1.00E-05	0.180100		2.00E-06	4.046-01								
			335 (32			2 025 00	10 3kg k							1254.286	Sum
		1.43E-07		1.48E-01		2.89E-10	******	0.73		0.89	0.13	0.2	-	0.0003	Indeno(1,2,3-ed)pyrene
		5.71E-07		1.48E-01		1.16E-09		2.92		0.89	0.13	0.2		0.0003	Dibenzo(a,h)anthracene
	ມີ ພິ.	1.90E-07		1.97E+00		3.86E-10	******	0.073		0.89	0.13	0.2		0.004	Chrysene
Averaging time, AT (75		1.43E-06		1.48E-01		2.89E-09	•	7.3		0.89	0.13	0.2	_	0.0003	Benzo(a)pyrene
	cPAHs	1.43E-07		1.48E-01	cPAHs	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(k)fluoranthene
	all	1.43E-07		1.48E-01	all	2.89E-10		0.73		0.89	0.15	7:0		0.0003	Delizo(o)Huorahulene
Soil Ingestion Rate, SIR 200	for	1.43E-07		1.48E-01	for	2.89E-10	*******	0.73		0.89	0.13	0.2		0.0003	Benzo(a)antiracene
		4.86E-08	2.22E-04	4.93E-01		9.85E-11	4.51E-07	0.091	0.03	8.0	0.05	0.2	-	100.0	1,2 Dichloroentale (ELAC)
		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		85	0.000057		0.03	2.0) (1)	Eulykine Digramide (EDS)
				0.00E+00							············	,		, ,	Definition Different Company
Average Body Weight, ABW 16		·······	1.56E-01	6.90E+02			3.16E-04		0.06	 ×	0.05	2.0		⇒ . ₄	NC.D.
for Non-carcinogens			4.07E-04	4.93E-01	•		8.26E-07	•	0.02	0.89	9.5	2.0.2		7 L 10070	F Unit Naphillateries
Exposure Parameters			1.16E-03	1.73E+02			2.35E-06		2	0.9	0.03	0.2	-	0.55	l otal Xylones
			1.76E-01	1.32E+03			3.58E-04	******	0.1	0.92	0.03	0.2		2.07	EMP/Delizene
			1.05E-02	1.58E+02			2.13E-05		0.2		0.03	3 6	. –	3 C.S.C.	Etholk Concept
Pass or Fail? Fail	Fail	7.19E-06	5.45E-01	1.31E+02	••••	1.46E-08	1.11E-83	0.055	0.003		0.0005	01.		0.200	Tolumo
Cancer RISK= 1,000E-05			2.90E+00	4.83E+03			5.88E-03		0.03	0.5	9.2	0.2	1	9.7994	AR_EC >21-34
HI= 2.388E+02			2.78E+01	4.63E+04			5.64E-02		0.03	00		3	- >	20.2740	30 00 00 00 00 00 00 00 00 00 00 00 00 0
TPH, mg/kg= 618332.608	-		7.81E+00	2.17E+04			1.58E-02		0.05	3.5	2 5	0.1		03 0040	10 915 Ja dv
Adjusted Condition			0.740-01	0.0000000		•		~~~~) :		د د		<i>3</i> .	VEC > Ja av
A			0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,705+01		•	181F_03	*********	0.05	 0 8	0.03	0.2	_	6.699	AR_EC >10-12
			6.97E+00	2.58E+04			1.41E-02		0.05	8.0	0.03	0.2	-	52.28	AR_EC >8-10
			1.116-01	1.23E±04			2.25E-04		2	0.5	0.1	0.2	_	25	AL EC>21-34
			1.24E+00	1.38E+05			2.52E-03	•	2	0.5	2.0	0.2		289	AL_EC>16-21
			1.39E+02	2.32E+05			2.82E-01		0.03	0.5	9.	0.2		470	AL_EC>12-16
A COLUMN TO SERVICE STATE OF S			3.78E+01	8.38E+04			7.67E-02	***********	0.03	9.8	0.03	0.2	*****	170	AL_EC >10-12
			1.335+01	2.95E+04	*******		2.70E-02		0.03	0.8	0.03	0.2		59.9	AL_EC >8-10
Pass or Fail? Pass			4.40E-02	1.85E÷04	*******		8.9E-05		5.7	0.8	0.03	0.2	_	37.6	AL_EC >6-8
Cancer RISK = 2.0795-08			~~~~	0.00E+00					5.7	0.8	0.03	0.2	-	0	AL_EC>5-6
III. 4 0440 01															Petroleum EC Fraction
TDH ma/ba 1254 286		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm ² -day	unitless	mg/kg	
Current Condition		RISK	ОН	*******		RISK	#ō	CPF,	R/D _o	G	ABS	AF	ABI	dry basis	or EC Group
	Fair			being tested	Fail?	••••	•							t one	Chemical of Concern
b. Check columns at left for Pass/Fa	Dass			Soil Conc	Pass or	, .			- Provinces		•			Measured Soil	
concentration.		ondition	Adjusted Condition		non	Current Condition	Cui	a oxicity Farameters	LOXICILY		at attrette	raposure : arameters			
adjusted condition at a specified															

- a. "TPH Test" button below is for testing adjusted condition at a specified TPH
- Fail detail.

Exposure Parameters	eters	
or Non-carcinogens		Units
verage Body Weight, ABW	16	kg
weraging Time, AT	6	¥.
exposure Frequency, EF		unitless
xposure Duration, ED	6.	**
oil Ingestion Rate, SIR	200	me/dav
Permal Surface Area, SA	2200	cm ² ,
or Carcinogens		
veraging time, AT (75	V7

Date: 3/27/2006

Site Name: 302095 Morton Sample Name: SB6-7

	, 421	0000000	11120001	## / Wall : W/		TO 10 10 10 10 10 10 10 10 10 10 10 10 10	1 0000000000								
	5.1	1 005 05	CB+GC 1	2085704		SUE TUP C	3.76E_01							864.584	Sum
		9.97E-08		1.03E-01		2.89E-10		0.73		0.89	0.13	0.2	-	0.0003	Indeno(1,2,3-cd)pyrene
		3.99E-07		1.036-01		1.16E-09		2.92		0.89	0.13	0.2		0.0003	Dibenzo(a,h)anthracene
	721	1.99E-07		2.075+00		5.79E-10		0.073		0.89	0.13	0.2	,	0.006	Chrysene
Averaging time, AT C		9.97E-07		1.03E-01		2.89E-09		7.3		0.89	0.13	0.2		0.0003	Benzo(a)pyrene
for Carcinogens	cP^2AHs	9.97E-08		1.03E-01	cPAHs	2.89E-10		0.73		0.89	0.13	0.2	_	0.0003	Benzo(k)fluoranthene
Dennal Surface Area, SA	all	9.97E-08		1.03E-01	all	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(b)fluoranthene
Soil Ingestion Rate, SIR	for	9.97E-08		1.03E-01	for	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(a)anthracene
Exposure Duration, ED		3,40E-08	1.55E-04	3.45E-01		9.85E-11	4.51E-07	0.091	0.03	0.8	0.03	0.2		0.001	1,2 Dichloroethane (EDC)
Exposure Frequency, EF		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		.85	0.000057	8.0	0.03	0.2			Ethylene Dibromide (EDB)
Averaging Time, AT				0.00E+00								••••		0	MTBE
Average Body Weight, ABW			4.97E-01	2.21E+03			1.44E-03		0.06	0.8	0.03	0.2		6.4	n-Hexane
for Non-carcinogens			4.84E-01	5.86E+02			1.40E-03		0.02	0.89	0.13	0.2			Total Naphthalenes
Exposure Pa			3.93E-03	5.86E+02			1:14E-05		2	0.9	0.03	0.2	-	1.7	Total Xylenes
			2.72E-01	2.03E+03			7.90E-04		0.1	0.92	0.03	0.2		5.9	Ethylbenzene
			3.74E-03	5.62E+01			1.09E-05		0.2	_	0.03	0.2		0.163	Toluene
Pass or F	Fail	7.97E-06	6.04E-01	1.45E+02		2.31E-08	1.75E-03	0.055	0.003	0.95	0.0005	0.2	_	0.42	Benzene
Cancer RIS			2.48E+00	4.14E+03			7.20E-03		0.03	0.5	0.1	0.2	-	11.9994	AR_EC >21-34
			1.53E+01	2.55E+04			4.44E-02		0.03	0.5	0.1	0.2		73.9928	AR_EC >16-21
TPH, mg/	****		4.225+00	1.17E+04			1.22E-02		0.05	0.5	0.1	0.2	_	34	AR_EC >12-16
Adjust			3.82E-01	1.41E÷03			LHE-03		0.05	8.0	0.03	0.2	****	4.1	AR_EC >10-12
			2.36E+00	8.72E+03			6.85E-03		0.05	0.8	0.03	0.2	no.	25.3	AR_EC>8-10
			8.69E-02	9.65E+03			2.52E-04		2	0.5	0.1	0.2		28	AL EC >21-34
			6.82E-01	7.58E+04			1.98E-03		2	0.5	0.1	0.2		220	AL_EC >16-21
			6.62E+01	1.10E+05			1.92E-01		0.03	0.5	0.	0.2		320	AL_EC >12-16
			1.43E+01	3.17E+04			4.15E-02		0.03	8.0	0.03	0.2	****	92	AL_EC >10-12
			4.34E+00	9.62E+03			1.26E-02		0.03	8.0	0.03	0.2	****	27.9	AL_EC>8-10
Pass or I			9.00E-03	3.79E+03			2.6E-05		5.7	0.8	0.03	0.2		=	AL_EC >6-8
Cancer Rf	*******			0.00E+00					5.7	8.0	0.03	0.2		0	AL_EC>5-6
															Petroleum EC Fraction
TPH mo/		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	mg/kg	
Curre		RISK	₹			RISK	ОН	CPF,	RM,	2	ABS	AF	ABI	dry basis	or EC Group
	Pass or			Soil Cone being tested	Pass or Fail?					***************************************				Cone	Chemical of Concern
b. Check columns a				- 1			·					*********	T	Managarad Cal	
concentration.		ondition	Adjusted Condition		tion	Current Condition	Cur	Foxicity Parameters	Toxicity	3	aramete	Exposure Parameters			
adjusted condition															

- a. "TPH Test" button below is for testing adjusted condition at a specified TPH concentration.
- Check columns at left for Pass/Fail detail

уг	6	Averaging Time, AT
K.	16	Average Body Weight, ABW
Units		for Non-carcinogens
	ers	Exposure Parameters
	Fail	Pass or Fail?
	.000E-05	Cancer RISK = 1.000E-05
	HI= 1.122E+02	=
	298001.288	TPH, mg/kg= 298001.288
	ondition	Adjusted Condition
	Pass	Pass or Fail?
	2.901E-08	Cancer RISK= 2.901E-08
	3.255E-01	=
	64 584	TPH_mo/ko= 864_584
	ondition	Current Condition

200

unitless yr my/day cm²

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB11-3.5

	Fail	1.00E-05	2.68E+02 1.00E-05	7.418+05		1.845-08	4.92E-01							1300.407	/3@EE
		1.0-380.1		1.05E-04		2.69E-10		0,30		0.00	37.7	0.11	ŀ	000 0763	
		1000		1 637 >1		7 000 IO		0.73		280	=======================================	0.7		0.0003	Indeno(1,2,3-cd)nyrene
		6.30E-07		1.63E-01		1.16E-09		2.92	••••	0.89	0.13	0.2		0.0003	Diberizo(a,h)anthracene
	71 82.	3.68E-07		3.81E+00	*******	6.75E-10		0.073		0.89	0.13	0.2	undel	0.007	Chrysene
Averaging time, AT C		1.58E-06		1.63E-01	******	2.89E-09		7.3		0.89	0.13	0.2		0.0003	Benzo(a)pyrene
for Carcinogens	cPAHs	1.58E-07		1.63E-01	cPAHs	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(k)Huoranthene
Dermal Surface Area, SA	all	1.58E-07		1.63E-01	all	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(b) Huoranthene
Soil Ingestion Rate, SIR	for	2.10E-06		2.18E+00	for	3.86E-09		0.73		0.89	0.13	0.2		0.004	Benzo(a)anthracene
Exposure Duration, ED		5.36E-08	2.46E-04	5.45E-01		9.85E-11	4.51E-07	16070	0.03	0.8	0.03	0.2	-	0.001	(,2 Dichloroemane (EDC)
Exposure Frequency, EF		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		85	0.000057	0.8	0.03	0.2		201	blhylene Dibromide (EDB)
Averaging Time, AT				0.00E+00										•	THE STATE OF THE S
Average Body Weight, ABW			3.81E+00	1.69E+04			6.99E-03		0.06	0.8	0.03	0.2		, <u>~</u>	n-Hexane
for Non-carcinogens			5.40E+00	6.54E+03	•••••		9.91E-03		0.02	0.89	0.13	0.2		, <u></u>	total Naphthalenes
Exposure Parai			6.21E-03	9.26E+02			1.14E-05		2	0.9	0.03	0.2	-	1.7	Total Xylenes
			1.17E+00	8.71E+03			2.14E-03		0.1	0.92	0.03	0.2	_	\$	Ethylbenzene
	_			1.79E+02			2.19E-05		0.2		0.03	0.2		0.328	Toluene
Pass or Fai	Fai	4.80E-06	3.63E-01	8.71E+01		8.8IE-09	6.67E-04	0.055	0.003	0.95	0.0005	0.2		0.16	Benzene
Cancer RISK			3.92E+00	6.54E±03			7.20E-03		0.03	0.5	0.1	0.2		11.9994	AR_EC>21-34
-			3.27E+01	5.45E+04			6.00E-02		0.03	0.5	0.1	0.2	2444	99.9881	AR_EC > 16-21
TPH, mg/kg			1.31E+01	3.65E+04	***************************************		2.41E-02		0.05	0.5	0.1	0.2		67	AR_EC>12-16
Adjusted			7.37E-01	2.72E+03		~~~	1.35E-03		0.05	0.8	0.03	0.2	_	Ų,	AR_EC >10-12
			9.21E+00	3.40E+04			1.69E-02		0.05	8.0	0.03	0.2	_	62.5	AR_EC>8-10
			1.62E-01	1.80E+04			2.97E-04		2	0.5	0.1	0.2	-	3.3	Al, EC>21-34
			1.62E+00	1.80E+05	••••	***	2.97E-03		2	0.5	9.5	0.2	_	330	AL_EC >16-21
			1.47E+02	2.45E+05			2.70E-01		0.03	0.5	9.	0.2			AL_EC >12-16
			3.68E+01	8.17E+04			6.77E-02		0.03	8.0	0.03	0.2		150	AL_EC >10-12
Check Residual Satur			1.20E+01	2.65E+04	•••••		2.20E-02		0.03	0.8	0.03	0.2	,	48.7	AL_EC >8-10
Page or Fai			5.31E-02	2.24E+04	*******		9.8E-05		5.7	8.0	0.03	0.2		41.1	AL_EC >6-8
Cancer RISK				0.00E+00		*********			5.7	0.8	0.03	0.2	*****	0	AL_EC >5-6
### 11 11, 1119 NS					1						1				Petroleum EC Fraction
TOLI mail		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitiess	unidess	mg/cm²-day	unitless	mg/kg	
Current		RISK	Ηō	••••••		RISK	ΗQ	CPF,	RM	Ð	ABS	AF	ABI	dry basis	or EC Group
	Pass or			Soil Canc being tested	Pass or Fail?						***************************************			Conc	Chemical of Concern
b. Check columns at le					• • •						**********			Measured Soil	
concentration.		ondition	Adjusted Condition		tion	Current Condition	Cur	Toxicity Parameters	Texicity	3	aramete	Exposure Parameters			
adjusted condition a															

a. "TPH Test" button below is for testing adjusted condition at a specified TPH

left for Pass/Fail detail.

Pass or Fail? Fail	Cancer RISK= 1.000E-05	HI= 2.681E+02	TPH, mg/kg= 740941.590	Adjusted Condition		Check Residual Saturation (WAC340-747(10))	Pass or Fail? Pass	Cancer RISK= 1.836E-08	HI= 4.923E-01	TPH, mg/kg= 1360.489	Current Condition
--------------------	------------------------	---------------	------------------------	--------------------	--	--	--------------------	------------------------	---------------	----------------------	-------------------

Exposure Parameters	eters	
r Non-carcinogens		Units
verage Body Weight, ABW	91	Æ.
veraging Time, AT	φ.	Ÿ.
xposure Frequency, EF		unidess
sposure Duration, ED	σ.	Ϋ́
oil Ingestion Rate, SIR	200	mg/day
ermal Surface Area, SA	2200	cm ²
r Carcinogens		
veraging time. AT C	75	7:7

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB12-5.5

	Pail	1.00E-05	1.17E+02 1.00E-05	3.55E+05		2.74E-09	3.21E-02							97.4340	11885
		3,2/6-0/		3.40E-01		01-304.1		0,10		0.00				07/15/	
		2 3 3 3		5 460 AF		1 457.10		0.73		0.80	<u> </u>	0.2	_	0.00015	Indeno(1,2,3-cd)pyrene
		2. HE-06		5.46E-01		5.79E-10	*****	2.92		0.89	0.13	0.2	_	0.00015	Dibenzo(a,h)anthracene
	13 13	5.27E-08		5.46E-01		1.45E-11		0.073		0.89	0.13	0.2	_	0.00015	Chrysene
Averagi				5.46E-01		1.45E-09		7.3		0.89	0.13	0.2	_	0.00015	Benzo(a)pyrene
for Ca	cPAHs			5.46E-01	cPAHs .	1,45E-10		0.73		0.89	0.13	0.2		0.00015	Benzo(k)fluoranthene
Dermal	all	5.27E-07		5.46E-01	all	1.45E-10		0.73		0.89	0.13	0.2	,,,,,,	0.00015	Benzo(b)fluoranthene
Soil Ing	for	5.27E-07		5.46E-01	for	1.45E-10		0.73		0.89	0.13	0.2	leeve	0.00015	Benzo(a)anthracene
Exposur		3.59E-07	1.64E-03 3.59E-07	_		9.85E-11	4.51E-07	0.091	0.03	0.8	0.03	0.2	_	0.001	1,2 Dichloroethane (EDC)
Sposus		0.00E+00	0.00E+00 0.00E+00			0.00E+00		805	0.000057	8.0	0.03	0.2	_	0	Ethylene Dibromide (EDB)
Averagi				0.00E+00										0	MTBE
Average			4.60E-02	2.04€+02			1.26E-05		0.06	8.0	0.03	0.2	_	0.056	n-Hexane
for Non			3.01E-03	3.64E+00			8.26E-07		0.02	0.89	0.13	0.2	_	0.001	Total Naphthalenes
			2.44E-05	3.64E+00			6.71E-09		2	0.9	0.03	0.2	-	0.001	Total Xylenes
ľ			4.88E-04	3.64E+00			1.34E-07		1.0	0.92	0.03	0.2		100.0	Ethylbenzene
			1.53E-02	2.30E+02			4.20E-06		0.2		0.03	0.2		0.0631	Toluene
		1.00E-07	7.60E-03	1.82E+00		2.75E-11	2.09E-06	0.055	0.003	0.95	0.0005	0.2		0.0005	Benzene
			2.62E+00	4.37E+03			7.20E-04		0.03	0.5	0.1	0.2		1.1997	AR_EC >21-34
***			1.29E+01	2.15E+04			3.54E-03		0.03	0.5	0.1	0.2	bound	5.89925	AR_EC >16-21
			2.49E+00	6.92E+03			6.84E-04		0.05	0.5	0.1	0.2	-	1.9	AR_EC >12-16
	***		4.92E-01	1.82E+03			1.35E-04		0.05	0.8	0.03	0.2		0.499	AR_EC >10-12
			8.25E+00	3.05E+04			2.26E-03		0.05	0.8	0.03	0.2	_	8.368	AR_EC>8-10
			8.52E-02	9.47E+03			2.34E-05		2	0.5	0.1	0.2	1	2.6	Al., EC>21-34
			7.54E-01	8.38E+04			2.07E-04		2	0.5	 	0.2		. 23	AL_EC>16-21
			5.68E+01	9.47E+04			1.56E-02		0.03	0.5	0.1	0.2		26	AL_EC >12-16
			9.69E+00	2.15E+04			2.66E-03		0.03	0.8	0.03	0.2	*****	5.9	AL_EC >10-12
T			2.27E+01	5.03E±04			6.22E-03		0.03	0.8	0.03	0.2	3 11111	13.8	AL_EC >8-10
	*****		6.24E-02	2.63E+04			1.7E-05		5.7	0.8	0.03	0.2	ba-sa	7.22	AL_EC>6-8
			8.16E-03	3.44E+03			2.2E-06		5.7	0.8	0.03	0.2	-	0.944	AL_EC >5-6
	211111101100000000000000000000000000000														Petroleum EC Fraction
T		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	നുഗ്യൂ	
1		RISK	HQ.			RISK	ŧ	CPF,	RfD	Ω	ABS	ΑF	ABI	dry basis	or EC Group
	Fail?			being tested	Fail?									Conc	Chemical of Concern
p, Ch	7			Sell Conc	Pass or									Measured Soil	
2 <u>용</u>		ondition	Adjusted Condition	,	ion	Current Condition	Cur	loxicity Parameters	l oxicity i	36	arametei	Exposure Parameters			
ad															

 a. "TPH Test" button below is for testing adjusted condition at a specified TPH concentration.

Check columns at left for Pass/Fail detail

Adjusted Condition TPH, mg/kg= 355040.657 HI= .169E+02 Cancer RISK= .000E-05 Pass or Fail? Fail		TPH, mg/kg= 97.455 HI= 3.210E-02 Cancer RISK= 2.745E-09 Pass or Fail? Pass
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	Units
91	kg
ōn.	*
	unitless
Ď	×
200	mg/day
2200	Can ²
cinogens Weight ABW ime, AT squency, EF tration, ED n Rate, SIR ace Area, SA	16 6 1 6 6 200 2200

Worksheet for Calculating Soil Cleanup Level for Soil Direct Contact pathway: Method B-Unrestricted Land use (Refer to WAC 173-340-740) Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB14-5.5

	Fail	1.00E-05	9.72E+01 1.00E-05	3.28E:+05		2-30E-08	2.306-01							112.971	L>MINE
		1000000					2				į			775 200	Sum
		13F-07	······································	1.27F-01	*****	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Indeno(1,2,3-cd)pyrene
		4.90E-07		1.27E-01		1.16E-09		2.92		0.89	0.53	0.2		0.0003	Dibenzo(a,h)anthracene
	Fa:	5.31E-07		5.50E+00		1.25E-09		0.073		0.89	0.13	0.2		0.013	Chrysene
Averaging time, AT C				1.275-01	**********	2.89E-09		7.3		0.89	0.13	0.2	***	0.0003	Benzo(a)pyrene
for Carcinogens	cPAHs	1.23E-07	••••	1.27E-01	cPAHs	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(k)Iluoranthene
Dermal Surface Area, SA	all	1.23E-07		1.27E-01	all	2.89E-10		0.73		0.89	0.13	0.2	-	0.0003	Benzo(b)fluoranthene
Soil Ingestion Rate, SIR	for	1.63E-06		1.69E+00	for	3.86E-09		0.73		0.89	0.13	0.2	_	0.004	Benzo(a)anthracene
Exposure Duration, ED		4.17E-08	1.91E-04	4.23E-01		9.85E-11	4.51E-07	160'0	0.03	0.8	0.03	0.2	-	0.001	1,2 Dichloroemane (EDC)
Exposure Frequency, EF		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		35	0.000057	× ×	0.5	0.2		200	Carly take Diokoliniae (EUS)
Averaging Time, AT				0.00E+00				;	2	3	}	- -	-	> <	Deliver Dilemand (NO)
Average Body Weight, ABW			1.43E-01	6.35E+02	*******		3.38E-04		0.06	0.8	0.03	0.2		ື ບົ	Terrexane
for Non-carcinogens			9.44E-01	1.14E+03			2.23E-03		0.02	0.89	0.5	0.2		2.3	i otal Naphinalenes
Exposure Par			3.44E-02	5.12E+03			8.12E-05		1.7	0.9	0.03	0.2	-	12.1	Total Xylenes
			3.10E-01	2.31E+03			7.31E-04		0.1	0.92	0.03	0.2		5,46	Ethylbenzene
			1.36E-02	2.04E+02			3.22E-05		0.2		0.03	0.2	_	_	loluene
Pass or F	Fail	5.71E-06	4.33E-01	1.04E+02		1.35E-08	1.02E-03	0.055	0.003	0.95	0.0005	0.2			Benzene
Cancer RIS			2.18E+00	3.64E+03			5.16E-03		0.03	0.5	0.1	0.2	L	8.5994	AR_EC >21-34
			1.19E+01	1.99E+04			2.82E-02		0.03	0.5	0.1	0.2	-	46.9821	AR_EC >16-21
TPH, mg/k			2.44E+00	6.77E+03		********	5.76E-03		0.05	0.5	0.1	0.2		16	AR_EC >12-16
Adjust			2.75E-01	1.02E+03			6.50E-04		0.05	8.0	0.03	0.2	_	2,4	AR_EC >10-12
			1.32E+01	4.89E+04			3.12E-02		0.05	8.0	0.03	0.2	_	115,44	AR_EC >8-10
			8.76E-02	9.74E+03			2.07E-04		2	0.5	0.1	0.2	ŀ	23	AL EC>21-34
			5.72E-01	6.35E+04	••••••		1.35E-03		₩	0.5	0.1	0.2		150	AL_EC >16-21
			3.81E+01	6.35E÷04	********		9.00E-02		0.03	0.5	0.1	0.2		150	AL_EC >12-16
			8.40E+00	1.86E+04			1.98E-02		0.03	0.8	0.03	0.2		44	AL_EC >10-12
7 WOO OF 1			1.805:+01	4.00E+04		~*********	4.26E-02		0.03	0.8	0.03	0.2		94.4	AL_EC>8-10
Pass or F			1.02E-01	4.28E+04		******	2,4E-04		5.7	0.8	0.03	0.2		101	AL_EC>6-8
Cancer RIS			1.58E-03	6.65E+02			3.7E-06		5.7	0.8	0.03	0.2	_	1.57	AL_EC >5-6
17'H, 1118/1			Contraction of the Contraction o	27											Petroleum EC Fraction
1 (L.		miday	mithee	mo/ko		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	ту/кд	
Cirre		RISK	HQ		***************************************	RISK	Æ	CPF	RID,	១	ABS	ΑF	ABI	dry basis	or EC Group
	Pass or			Soil Conc being tested	Pass or Fail?									Conc	Chemical of Concern
b. Check columns at							•							Measured Soil	
concentration.		ondition	Adjusted Condition	7	tion	Current Condition	Cur	Toxicity Parameters	Toxicity	3	aramete	Exposure Parameters	1		
adjusted condition															

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	nce	lust	Ĭ	
	concentration	e e	eg	
•	ğ	8	<u>त</u>	
	٠-,	adjusted condition at a specified TPH	a. "TPH Test" button below is for testing	
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		구.	Š	

at left for Pass/Fail detail.

for Non-carcinogens		Units
Average Body Weight, ABW	16	£G.
Averaging Time, AT	Ó	JĄ.
Exposure Frequency, EF		unitless
Exposure Duration, ED	ð.	Уľ
Soil Ingestion Rate, SIR	200	mg/dav
Dermal Surface Area, SA	2200	g_ (
for Carcinogens		

Fail

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB16-8

	Fail	1.008-05	6.07E+01 1.00E-05	1.91E+05		2.41E-08	1.46E-01							461.681	Sum
		1.20E-07		1.24E-01		2.89E-10		0.73		0.89	0.13	0.2	-	0.0003	Indeno(1,2,3-cd)pyrene
		4.80E-07	******	1.24E-01		1.16E-09		2.92		0.89	0.13	0.2		0.0003	Dibenzo(a,h)anthracene
ľ	<u>.</u>	1.20E-08		1.245-01		2.89E-11		0.073		0.89	0.13	0.2		0.0003	Chrysene
Averagin		1.20E-06		1.24E-01		2.89E-09		7.3		0.89	0.13	0.2	~~	0.0003	Benzo(a)pyrene
for Car	cPAHs	1.20E-07		1.24E-01	cPAHs	2.89E-10		0.73		0.89	0.13	0.2	*****	0.0003 .	Benzo(k)fluoranthene
Dermal S		1.20E-07		1.24E-01	all	2.89E-10		0.73		0.89	0.13	0.2	wheel	0.0003	Benzo(b)fluoranthene
Soil inge	for:	1.20E-07		1.24E-01	for	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(a)anthracene
Exposure		.87E-04 4.09E-08	1.87E-04	4.15E-01		9.85E-11	4.51E-07	0.091	0.03	0.8	0.03	0.2	1	0.001	1,2 Dichloroethane (EDC)
ansoax		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		% 5	0.000057	8.0	0.03	0.2	_	G	Ethylene Dibromide (EDB)
Averagin				0.00E+00										0	MTBE
Average (1.87E-01	8.29E+02			4.51E-04		0.06	8.0	0.03	0.2	_	2	n-Hexane
for Non-			5.82E-02	7.05E+01			1.40E-04		0.02	0.89	0.13	0.2		0.17	Total Naphthalenes
			1.79E-03	2.67E+02			4.33E-06		2	0.9	0.03	0.2	_	0.645	Total Xylenes
ſ			6.44E-02	4.81E+02			1.55E-04		9.	0.92	0.03	0.2		1.16	Ethylbenzene
			3.56E-03	5.3516+01			8.59E-06		0.2	****	0.03	0.2		0.129	Toluene
	Fall	7.79E-06	5.90E-01 7.79E-06	1.41E+02		1.88E-08	1.42E-03	0.055	0.003	0.95	0.0005	0.2	****	0.341	Benzene
•			1.74E+00	2.90E+03			4.20E-03		0.03	0.5	0.1	0.2		6.9994	AR_EC >21-34
********			9.95E+00	1.66E+04			2.40E-02		0.03	0.5	0.	0.2		39.9985	AR_EC >16-21
			1.94E+00	5.39E+03			4.68E-03		0.05	0.5	0.1	0.2	_	5	AR_EC>12-16
			2.17E-01	8.00E+02			5.226-04		0.05	8.0	0.03	0.2	_	1.93	AR_EC > 10-12
			1.55E+00	5.72E+03			3.73E-03		0.05	0.8	0.03	0.2	-	13.795	AR_EC>8-10
			7.09E-02	7.88E+03			1.71E-04	The state of the s	2	0.5	0.1	0.2	_	19	AL EC>21-34
			5.23E-01	5.81E+04			1.26E-03		N	0.5	0.1	0.2	,	140	AL_EC>16-21
			3.48E+01	5.81E+04			8.40E-02		0.03	0.5	0.1	0.2	, .	140	AL_EC >12-16
			5.42E+00	1.20E+04			1.31E-02		0.03	8.0	0.03	0.2	****	29	AL_EC >10-12
			3.52E+00	7.80E+03			8.48E-03		0.03	0.8	0.03	0.2	****	8.8	AL_EC >8-10
			3.2415-02	1.36E+04			7.8E-05		5.7	0.8	0.03	0.2	juniore .	32.9	AL_EC >6-8
			1.78E-03	7.51E+02	*******		4.3E-06		5.7	8.0	0.03	0.2	-	1.8.1	AL_EC>5-6
							,,,,,,,								Petroleum EC Fraction
		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	ક્ષ્મ/કૃષ	
		RISK	НQ			RISK	ā	CPF,	RID,	ਹੁ	ABS_d	ΑF	ABI	dry basis	or EC Group
	Fail?			being tested	Falls									Cone	Chemical of Concern
p. C.	C			Sail Conc	Passor									Measured Soil	
2 8		ondition	Adjusted Condition	,	ion	Current Condition	Cur	loxicity Parameters	l oxicity i	52	arameter	Exposure Parameters	_		
adju															

 a. "TPH Test" button below is for testing adjusted condition at a specified TPH oncentration. Sheck columns at left for Pass/Fail detail.

or Non-carcinogens	Exposure Parameters		Pass or Fail? Fail	Cancer RISK= 1.000E-05	HI= 6.071E+01	TPH, mg/kg= 191466.263	
linite							

Exposure Parameters	eters	
Non-carcinogens		Units
erage Body Weight, ABW	16	kg
eraging Time, AT	5	уг
posure Frequency, EF	i	unitless
posure Duration, ED	6	Уľ
il Ingestion Rate, SIR	200	mg/day
rmal Surface Area, SA	2200	Cm ³
r Carcinogens		
eraging time, AT-C	75	Ŋ

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB18-8

	Fail	1.00E-05	2.28E+01 1.00E-05	6.63E+04		1.41E-07	3216-01							733.301	2018
		2.06E-08		2.13E-02		2.896-10		0.73		0.89	0.13	2.0		COUCLO	Tracto(1,2,5-ca)bytene
		8.22E-08		2.13E-02		1.16E-09		2.92		0.89	0.5	3.5		0.0003	Dioenzo(a,n)annnacene
		2.06E-09		2.13E-02		2.89E-11		0.073		0.89	0.5	0.2	. ,	0.0003	Chrysene
Averaging t		2.06E-07		2.13E-02		2.89E-09		7.3		0.89	0.13	0.2		0,0003	Benzo(a)pyrene
for Carcir	cPAHs	2.06E-08		2.13E-02	cPAHs	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(k)fluoranthene
Dermal Sur	all	2.06E-08		2.13E-02	all	2.89E-10		0.73		0.89	0.13	0.2	non	0.0003	Benzo(b)fluoranthene
Soil Ingestic	for	2.06E-08		2.13E-02	for	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(a)anthracene
Exposure D		7.00E-09	3.20E-05	7.10E-02		9.85E-11	4.51E-07	0.091	0.03	0.8	0.03	0.2	1	0.001	1,2 Dichloroethane (EDC)
Exposure Fi		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		85	0.000057	0.8	0.03	0.2	-	0	Ethylene Dibromide (EDB)
Averaging				0.00E+00										0	MTBE
Average Bod			2.72E-01	1.21E+03			3.83E-03		0.06	0.8	0.03	0.2	-	7	n-Hexane
for Non-ca			2.93E-01	3.55E+02			4.13E-03		0.02	0.89	0.13	0.2		(A	Total Naphthalenes
			8.58E-03	1.28E+03			1.21E-04		2	0.9	0.03	0.2		ōc	Total Xylenes
			1.336-01	9.94E+02			1.88E-03		0.1	0.92	0.03	0.2	,a	4	Ethylbenzene
			2.93E-03	4.40E+01			4.13E-05		0.2	_	0.03	0.2		0.62	Toluene
*******	Fai	9.62E-06	7.29E-01	1.75E+02		1.35E-07	1.03E-02	0.055	0.003	0.95	0.0005	0.2	****	2.46	Benzene
********			3.45E-01	5.75E+02			4.86E-03		0.03	0.5	0.1	0.2	la-sa	8.0994	AR_EC >21-34
			2.56E+00	4.26E+03			3.60E-02	-	0.03	0.5	0.1	0.2		59.9985	AR_EC >16-21
			1.02E+00	2.84E+03			1.44E-02		0.05	0.5	9.	0.2	_	40	AR_EC>12-16
			1.15E-01	4.26E+02			1.62E-03		0.05	8.0	0.03	0.2	-	đ	AR_EC>10-12
			1.35E+00	4.97E+03			1.89E-02		0.05	0.8	0.03	0.2	-	70	AR_EC >8-10
			1.02E-02	L.14E+03			1.44E-04		2	0.5	0.1	0.2	_	16	AL_EC>21-34
	****		9.59E-02	1.07E+04			1.35E-03		2	0.5	0.1	0.2	****	150	AL_EC >16-21
			10 to 1	1.85E+04			1.56E-01		0.03	0.5	0.1	0.2		260	AL_EC >12-16
			2.72E+00	6.04E+03			3.83E-02		0.03	0.8	0.03	0.2		85	AL_EC>10-12
			2.02E+00	4.49E+03			2.85E-02		0.03	8.0	0.03	0.2	b	63.2	AL_EC >8-10
			1.99E-02	8.38E+03			2.8E-04		5.7	8.0	0.03	0.2	imme	118	AL_EC >6-8
				0.00E+00					5.7	8.0	0.03	0.2		0	AL_EC>5-6
															Petroleum EC Fraction
		unidess	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	mg/kg	
		RISK	HQ			RISK	∌	CPF,	RID,	CI	ABS	ΑF	ABI	dry basis	or EC Group
	F9119			being tested	Fail?									Conc	Chemical of Concern
b. Chec	B			Soil Conc	Paggar	***************************************								Measured Soil	
conce		ondition	Adjusted Condition	1	tion	Current Condition	Cur	loxicity Parameters	loxicity	3	arametei	Exposure Parameters			
adjus															

۳			èπ	
	concentration.	adjusted condition at a specified TPH	a. "TPH Test" button below is for testing	

eck columns at left for Pass/Fail detail.

Pass or Fail? Fail
Cancer RISK = 1.000E-05
H= 2.278E+01
TPH, mg/kg= 66294.624
Adjusted Condition
Pass or Fail? Pass
Cancer RISK= 1.408E-07
HI= 3.207E-01
TPH, mg/kg= 933.381
Current Condition

Exposure 1 of others	
	Units
16	kg.
6	Y.
	unitless
6	¥
200	mg/day
2200	CM.

Worksheet for Calculating Soil Cleanup Level for Soil Direct Contact pathway: Method B-Unrestricted Land use (Refer to WAC 173-340-740) Date: 302072006 Site Name: 302095 Morton Sample Name: SB20-45

	Fail	1.00E-05	4.33E+02 1.00E-05	1.29E+06		1.06E-08	4.61b-01							13/0.3403	2011
		2.72E-07		2.82E-01		2.89E-10		0.73		0.89	0.13	2.0	1	0.0003	mucno(1,2,5-ca)pyrene
		1.09E-06		2.825-01		1.16E-09		2.92		0,09	5 5) (0.0000	indensity of the second
	Fail	7.25E-07		7.52E+00		7.72E-10		0.073		0.89	0.5	0.2		0.003	Dihenzofa hanthracene
Averaging time, A		2.72E-06		2.82E-01		2.89E-09		7.3		0.89	0.13	0.2		0.0003	Benzo(a)pyrene
for Carcinogens	cPAHs	2.72E-07	*********	2.82E-01	cPAHs	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(k)fluoranthene
Dermal Surface An	all	2.72E-07		2.82E-01	all	2.89E-10		0.73		0.89	0.13	0.2		0.0003	Benzo(b)Huoranthene
Soil Ingestion Rate	for	4.53E-06		4.70E+00	for	4.82E-09		0.73		0.89	0.13	0.2	_	0.005	Benzo(a)anthracene
Exposure Duration		9.26E-08	4.24E-04	9.40E-01		9.85E-11	4.51E-07	0.091	0.03	0.8	0.03	0.2	-	0.001	1,2 Dichloroethane (EDC)
Exposure Frequenc		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		% %	0.000057	8.0	0.03	0.2		, , ,	Ethylene Dibromide (EDB)
Averaging Time, A				0.00E+00								; ;		• •	Fall St. 11 MIBE
Average Body Weigh			3.18E+00	1.41E+04			3.38E-03		0.06	0.8	0.03	0.2		. IS	n-Hexane
for Non-carcinoge			7.37E+00	8.93E+03			7.85E-03		0.02	0.89	0.13	0.2	سبدر	9.5	lotal Naphthalenes
Expo			5.62E-03	8.37E+02			5.98E-06		2	0.9	0.03	0.2	_	0.891	Total Xylenes
			1.51E+00	1.13E+04			1.61E-03		0.1	0.92	0.03	0.2			Ethylbenzene
			3.38E-02	5.07E+02			3.59E-05		0.2	,	0.03	0.2		0	Toluene
Pa		2.59E-08	1.96E-03	4.70E-01		2.75E-11	2.09E-06	0.055	0.003	0.95	0.0005	0.2			Benzene
Cane			5.41E+00	9.02E+03			5.76E-03		0.03	0.5	0,1	0.2	-	9.5994	AK_EC >21-34
			5.248+01	8.74E+04			5.58E-02		0.03	0.5	0.1	0.2		92.9861	AR_EC >16-21
dL			2.30E+01	6.39E+04			2.45E-02		0.05	0.5	0.1	0.2	_	68	AR_EC >12-16
Α			2.67E+00	9.87E+03		**********	2.84E-03		0.05	8.0	0.03	0.2	-	10.5	AR_EC >10-12
			1.69E+01	6.23E+04			1.79E-02		0.05	0.8	0.03	0.2	_	66.309	AR_EC >8-10
			2.37E-01	2.63E+04			2.52E-04		12	0.5	0.1	0.2	_	28	AL EC >21-34
			2.54E+00	2.82E+05		**********	2.70E-03		2	0.5	2	0.2		300	AL_EC >16-21
			2.14E+02	3.57E+05			2.28E-01		0.03	0.5	9.	0.2		380	AL_EC >12-16
			5.93E+01	1.32E+05			6.31E-02		0.03	0.8	0.03	0.2	-	140	AL_EC >10-12
Check Resid			4.415+01	9.77E+04			4.69E-02		0.03	8.0	0.03	0.2	***	104	AL_EC >8-10
Pa			3.10E-01	1.31E+05			3.3E-04		5.7	0.8	0.03	0.2	****	139	AL_EC >6-8
Can				0.00E+00					5.7	0.8	0.03	0.2	kurholi	0	AL_EC >5-6
,															Petroleum EC Fraction
dd,		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	mg/kg	
		RISK	Æ			RISK	НQ	CPF,	RD	GI	ABS_d	ΑF	ABI	dry basis	or EC Group
	Fail?			being tested	Fail?		•							Conc	Chemical of Concern
b. Check colu	;			5	3									Measured Soil	
		ondition	Adjusted Condition		tion	Current Condition	Cur	Toxicity Parameters	Toxicity	*	arameter	Exposure Parameters			
adjusted co															

a. "TPH Test" button below is for testing adjusted condition at a specified TPH

olumns at left for Pass/Fail detail.

Pass or Fail? Fail	Cancer RISK= 1.000E-05	HI= 4.333E+02	TPH, mg/kg= 1293552.143	Adjusted Condition	Check Residual Saturation (WAC340-747(10))	Pass or Fail? Pass	Cancer RISK= 1.064E-08	HI= 4,610E-01	ТРН, mg/kg== 1376.341	Current Condition

Pass or Fail?	Fail	
Exposure Parameters	ers	
for Non-carcinogens		Units
Average Body Weight, ABW	16	N.
Averaging Time, AT	ō.	Уr
Exposure Frequency, EF	_	unitless
Exposure Duration, ED	6	ķ
Soil Ingestion Rate, SIR	200	mg/day
Dermal Surface Area, SA	2200	cm ²
for Carcinogens		

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB22-1

			Exposure Parameters	arameter	ž	Toxicity	Toxicity Parameters		ront Candit	5		Later C			a ad
								-			,	Aujustea Collandinon	Duamon		<u> </u>
Chemical of Concern	Measured Soil									Pass or	Soil Conc			Pass or	
	dry basis	ABI	AF	ABS	Ω	RM _q	CPF,	₩Q	RISK	22	Barren Sread	Ħ	RISK	Fai ?	
I	mg/kg	unitless	mg/cm²-day	unitless	unitless	mg/kg-day	kg-day/mg	unitless	unitless		mg/kg	unitless	unitless		
Petroleum EC Fraction															***********
AL_EC >5-6 (0.987	-	0.2	0.03	0.8	5.7		2.3E-06			7.35E+02	1.74E-03			*******
	15.7		0.2	0.03	0.8	5.7		3.7E-05			1.175+04	2.78E-02			
_	40.5		0.2	0.03	0.8	0.03		1.83E-02			3.02E+04	1.368+01			T
	340		0.2	0.03	0.8	0.03		1.53E-01			2.53E+05	1.14E+02			
	730		0.2	0.1	0.5	0.03		4.38E-01			5.445+05	3.26E+02			
	96	heeled	0.2	0.5	0.5	2		1.71E-03			1.41E+05	1.27E÷00			
AL EC >21-34	34	_	0.2	0.1	0.5	2		3.06E-04			2.53E+04	2.28E-01			
AR_EC>8-10 3	31.697		0.2	0.03	0.8	0.05		8.58E-03			2.36E+04	6.39E+00			
AR_EC >10-12	18.8	_	0.2	0.03	0.8	0.05		5.09E-03			1,40E+04	3.79E+00			
AR_EC >12-16	71	_	0.2	0.1	0.5	0.05		2.56E-02			5.29E+04	1.90E+01			
AR_EC >16-21 54	54.9961	_	0.2	0.1	0.5	0.03		3.30E-02			4.09E+04	2,46E+01			
AR_EC >21-34 19	9.99925	_	0.2	0.1	0.5	0.03		1.20E-02			1.49E+04	8.93E÷00			
	0.003		0.2	0.0005	0.95	0.003	0.055	1.25E-05	1.65E-10		2.23E+00	9.32E-03	1.23E-07		
	0.11		0.2	0.03		0.2		7.33E-06			8.19E+01	5.46E-03			
	0.485	. ,	0.2	0.03	0.92	0.1		6.50E-05			3.6IE+02	4.84E-02			
	0.318	_	0.2	0.03	0.9	2		2.13E-06			2.37E+02	1.59E-03			
	0.2		0.2	0.13	0.89	0.02		1.65E-04			1.49E+02	1.23E-01			tor Non
n-Hexane (0.013		0.2	0.03	8.0	0.06		2.93E-06			9.68E+00	2.18E-03			Average
	<u> </u>	_	0.2	0.03		0.000057	85		0.005400		0.000.00	0.005+00.005+00	005-00		Averagu
1,2 Dichloroethane (EDC) 0	0.001	-	0.2	0.03	0.8	0.03	0.091	4.51E-07	9.85E-11		7.45E-01	3.36E-04	7.33E-08		Exposur
Benzo(a)anthracene 0.	0.0006		0.2	0.13	0.89		0.73		5.79E-10	for	4.47E-01		4.31E-07	for	Soil ing
Benzo(b)fluoranthene (0.001		0.2	0.13	0.89		0.73		9.65E-10	all	7.45E-01		7.18E-07	all	Dermal
Benzo(k)fluoranthene ().	0.0004		0.2	0.13	0.89	******	0.73		3.86E-10	cPAHs	2.98E-01		2.87E-07	cPAHs	for Car
Benzo(a)pyrene 0.	0.0009		0.2	0.13	0.89		7.3		8.68E-09		6.70E-01		6.46E-06		Averagi
	100.0		0.2	0.13	0.89		0.073		9.65E-11		7.45E-01		7.18E-08	Far.	Į.
Dibenzo(a,h)anthracene 0.	0.0006		0.2	0.13	0.89		2.92		2.32E-09		4.47E-01		1.72E-06		
Indeno(1,2,3-cd)pyrene 0.1	5100070		0.2	0.13	0.89		0.73		1.45E-10		1.12E-01		1.08E-07		
Sum 15.	1548.814							6.96E-01	1.34E-08		1.15E+06	5.18E+02 1.00E-05	1.00E-05	Fai	

 "TPH Test" button below is for testing adjusted condition at a specified TPH concentration. Check columns at left for Pass/Fail detail.

TPH, mg/kg= 1153225.928 HI= 5.183E+02 Cancer RISK= 1.000E-05 Pass or Fail? Fail	Adjusted Condition		Check Residual Saturation (WAC340-747(10))	Pass or Fail? Pass	Cancer RISK= 1.343E-08	HI= 6.962E-01	TPH, mg/kg= 1548.814	Current Condition
--	--------------------	--	--	--------------------	------------------------	---------------	----------------------	-------------------

Exposure Parameters	ters	
и Non-carcinogens		Units
verage Body Weight, ABW	16	kg
veraging Time, AT	Ġ.	yr ·
xposure Frequency, EF	_	unitless
xposure Duration, ED	٥	y,
oil Ingestion Rate, SIR	200	mg/day
ermal Surface Area, SA	2200	cm²
er Carcinogens		
veraging time, AT (*	75	Уľ

Date: 3/27/2006

Site Name: 302095 Morton Sample Name: SB23-4.5

	1	l			-										adj
	1	-	Exposure Parameters	rameter	ľ	l oxicity l	loxicity Parameters	Curi	Current Condition	ion	+	Adjusted Condition	ondition		cor
Measu	Measured Soil									Dage Ap	Soil Cane			1	ь. С <u>ъ</u>
Chemical of Concern C	Сопс									Fail?	being tested			Fass or	
or EC Group dry	dry basis /	ΛBI	ΑF	ABS	ପ	RfD	CPF,	ОH	RISK			ĦQ	RISK		
m	mg/kg ur	unitless	mg/cm²-day	unitless	unitless	mg/kg-day	kg-day/mg	unitless	unitless		mg/kg	unitless	unitless		
Petroleum EC Fraction											***************************************				
AL_EC >5-6 0.	0.958		0.2	0.03	8.0	5.7		2.3E-06			9.09E+02	2.16E-03			
	20.7	_	0.2	0.03	0.8	5.7		4.9E-05			1.96E+04	4.66E-02			
-	41.9	_	0.2	0.03	0.8	0.03		1.89E-02			3.97E+04	1.796+01			Ch.
	=0	_	0.2	0.03	0.8	0.03		4.96E-02			1.04E+05	4.71E+01			
	530	_	0.2	0.	0.5	0.03		3.18E-01			5.03E+05	3.02E+02			
AL_EC>16-21 5	520	-	0.2	0.1	0.5	C4		4.68E-03	-		4.93E+05	4,44E+00			
AL EC>21-34 1	120	-	0.2	0.1	0.5	2		1.08E-03			1.14E+05	1.02E+00			
AR_EC >8-10 32	32.27	_	0.2	0.03	0.8	0.05		8.73E-03			3.06E+04	8.28E+00			
AR_EC >10-12 1.	1.785	_	0.2	0.03	0.8	0.05		4.83E-04			1.69E+03	4.58E-01			
AR_EC > 12-16	23	_	0.2	9.	0.5	0.05		8.28E-03			2.18E+04	7.85E+00	····		
AR_EC >16-21 109	109.9871	_	0.2	0.1	0.5	0.03		6.60E-02			1.04E+05	6.26E+01			
AR EC >21-34 31.	31.9994	_	0.2	0.1	0.5	0.03		1.92E-02			3.03E÷04	1.82E+01			
	0.0005	_	0.2	0.0005	0.95	0.003	0.055	2.09E-06	2.75E-11		4.74E-01	1.98E-03	2.61E-08		
	0.0861		0.2	0.03	,	0.2		5.74E-06			8.17E+01	5.44E-03			
	0.015		0.2	0.03	0.92	2		2.01E-06			1.42E+01	1.91E-03		******	
Total Xylenes 0.1	0.015	L	0.2	0.03	0.9	2		1.01E-07			1.42E+01	9.54E-05			
Total Naphthalenes 0.1	0.015		0.2	0.13	0.89	0.02		1.24E-05			1.42E+01	1.17E-02			for Non
n-Hexane 00 MTBF	0:042		0.2	0.03	9.0	0.06		9.47E-06			3.98E+01	8.98E-03			Average
	0	need.	0.2	0.03	0.8	0.000057	<u>%</u>		0.00E+00		0.005+00	0.00E+00 0.00E+00	0.00F+00		Evnoen S
	0.001		0.2	0.03	0.8	0.03	0.091	4.51E-07	9.85E-11		9.48E-01	4.28E-04	9.34E-08		Exposur
Benzo(a)anthracene 0.1	0.005	****	0.2	0.13	0.89		0.73		4.82E-09	for	4.74E+00		4.57E-06	for	Soil Ingo
Benzo(b)fluoranthene 0.0	0.0003	,,	0.2	0.13	0.89		0.73		2.89E-10	all	2.85E-01	••••	2.74E-07	all	Dermal :
Benzo(k)fluoranthene 0.0	0.0003		0.2	0.13	0.89		0.73		2.89E-10	cPAHs	2.85E-01			cPAHs	for Car
Benzo(a)pyrene 0.0	0.0003		0.2	0.13	0.89		7.3		2.89E-09		2.85E-01		2.74E-06		Averagii
	0.007	_	0.2	0.13	0.89		0.073		6.75E-10		6.64E+00		6.40E-07	Fail	
Dibenzo(a,h)anthracene 0.0	0.0003	_	0.2	0.13	0.89		2.92		1.16E-09		2.85E-01		1.10E-06		
Indeno(1,2,3-cd)pyrene 0.0	0.0003	L	0.2	0.13	0.89		0.73		2.89E-10		2.85E-01		2.74E-07		
Sum 1542	1542.7876							4.95E-01	1.05E-08		1.46E+06	4.70E+02 1.00E-05	1.00E-05	Fail	

 a. "TPH Test" button below is for testing adjusted condition at a specified TPH concentration.

b. Check columns at left for Pass/Fail detail.

TPH, mg/kg= 1542.788 HI= 4.950E-01 Cancer RISK= 1.054E-08 Pass or Fail? Pass Check Residual Saturation (WAC340-747(10)) Adjusted Condition TPH, mg/kg= 1463252.586 HI= 4.695E+02 Cancer RISK= 1.000E-05 Pass or Fail? Fail

Exposure Parameters	eters	
or Non-carcinogens		Units
verage Body Weight, ABW	91	ķģ
weraging Time, AT	or.	Y
exposure Frequency, EF		unitiess
exposure Duration, ED	o.	14
oil Ingestion Rate, SIR	200	mg/day
Dermal Surface Area, SA	2200	cm ²
or Carcinogens		
veraging time, AT C	75	Ж

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB24-4

	ran	CO-3007	0.02E+00 1 00E-00	2.0765*04		4.000-00	3-4-363-04							10/07/225	**************************************
			007.750	101 3E3 C		90.350 F	2 7KE A2							107 97175	¢m
		1.19E-07		1.24E-01		4.82E-10		0.73		0.89	0.13	0.2	,,,,,,	0.0005	Indeno(1,2,3-cd)pyrene
		9.53E-07		2.47E-01		3.86E-09		2.92		0.89	0.13	0.2		0.001	Dibenzo(a,h)anthracene
	Faii	9.53E-08		9.88E-01		3.86E-10		0.073		0.89	0.13	0.2		0.004	Chrysene
Averaging time, AT C		7.15E-06		7.41E-01		2.89E-08		7.3		0.89	0.13	0.2		0.003	Benzo(a)pyrene
for Carcinogens	cPAHs	2.38E-07		2.47E-01	cPAHs	9.65E-10		0.73		0.89	0.13	0.2		100.0	Benzo(k)fluoranthene
Dermal Surface Area, SA	all	7.15E-07	,	7.41E-01	all	2.89E-09		0.73		0.89	0.13	0.2	,,,,,,	0.003	Benzo(b)fluoranthene
Soil Ingestion Rate, SIR	for	7.15E-07		7.41E-01	for	2.89E-09		0.73		0.89	0.13	0.2		0.003	Benzo(a)anthracene
Exposure Duration, ED		1.22E-08	5.57E-05	1.24E-01		4.93E-11	2.26E-07	0.091	0.03	0.8	0.03	0.2		0.0005	1,2 Dichloroethane (EDC)
Exposure Frequency, EF		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		85	0.000057	0.8	0.03	0.2		0	Ethylene Dibromide (EDB)
Averaging Time, AT				0.00E+00									-	0	MIBE
Average Body Weight, ABW			2.79E-05	1.24E-01			1.13E-07		0.06	0.8	0.03	0.2	30,000	0.0005	n-Hexane
for Non-carcinogens			1.02E-04	1.24E-01			4.13E-07		0.02	0.89	0.13	0.2		0.0005	lotal Naphthalenes
Exposure Para			8.29E-07	1.24E-01			3.35E-09		2	0.9	0.03	0.2		0.0005	Total Xylenes
			1.65E-05	1.24E-01			6.70E-08		0.1	0.92	0.03	0.2	:*****	0.0005	Ethylbenzene
			8.23E-06	1.24E-01			3.33E-08		0.2		0.03	0.2	****	0.0005	Toluene
Pass or Fa		3.40E-09	2.58E-04	6.18E-02		1.38E-11	1.04E-06	0.055	0.003	0.95	0.0005	0.2		0.00025	Benzene
Cancer RISH			2.67E-01	4.44E+02			1.08E-03		0.03	0.5	0.1	0.2	-	1.7985	AR_EC>21-34
			1.15E+00	1.92E+03			4.67E-03		0.03	0.5	0.1	0.2	_	7.786	AR_EC>16-21
TPH, mg/k ₁			9.78E-02	2.72E+02			3.96E-04		0.05	0.5	0.1	0.2	_		AR_EC >12-16
Adjuste			3.34E-02	1.23E+02			1.35E-04		0.05	 X.	e.e.s	0.2	_	0,4993	AR EC 210-12
			10-31177	8.17E+02			0.900-04		0.00		9.00) (2 200	01-6-79 NW
			3 3 1 5 1	0 1751 02			0 05E 04		20.0	0	0.03	0.7	-	2 200	VI-8< J.H. &V
			1.98E-02	2.20E+03			8.01E-05		2	0.5	0.1	0.2	_	8.9	AL_EC >21-34
			8.67E-02	9.63E+03			3.51E-04	******	2	0.5	0.1	0.2		39	AL_EC >16-21
			5.19E+00	8.65E+03			2.108-02		0.03	0.5	2	0.2	_	35	AL_EC >12-16
			6.57E-01	1.46E+03		2474111	2.66E-03		0.03	0.8	0.03	0.2		5.9	AL_EC >10-12
			2.96E-01	6.57E+02			1.20E-03		0.03	0.8	0.03	0.2		2.66	AL_EC >8-10
Pass or Fa			5.86E-04	2.47E+02			2.4E-06		5.7	0.8	0.03	0.2	-	; 	AL_EC>6-8
Cancer RISH			5.86E-04	2.47E±02			2.4E-06		5.7	0.8	0.03	0.2		0.9995	AL_EC>5-6
															Petroleum EC Fraction
TPH, mg/k		unitless	unitiess	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	y unitless	s mg/cm³-day	unitless	mg/kg	
Curren		RISK	Æ			RISK	HQ	CPF,	RD,	GI	ABS _d	AF	ABI	dry basis	or &C Group
	Pass or Fail?			being tested	Fail?									Conc	Chemical of Concern
b. Check columns at l														Measured Sail	
concentration.		ondition	Adjusted Condition	7	tion	Current Condition	Cur	Toxicity Parameters	Toxicity	2	Paramete	Exposure Parameters			
adjusted condition :															

- a. "TPH Test" button below is for testing adjusted condition at a specified TPH centration.
- eck columns at left for Pass/Fail detail

TPH, mg/kg= 107.971 HI= 3.248E.02 Cancer RISK= 4.048E.08 Pass or Fail? Pass Adjusted Condition TPH, mg/kg= 26673.332 HI= 8.023E+00 Cancer RISK= 1.000E.05 Pass or Fail? Fail

unitless yr mg/day cm²

4 8 Units Exposure Parameters

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB27-4.5

	Fail	1.00E-05	2.15E+01 1.00E-05	\$		3.22E-09	6.94E-03							23.5115	Sum
		4.50E-07		4.66E-01		1.45E-10		0.73		0.89	0.13	0.2	-	0.00015	Indeno(1,2,3-cd)pyrene
		1.80E-06		4.66E-01	***************************************	5.79E-10		2.92		0.89	0.13	0.2	-	0.00015	Dibenzo(a,h)anthracene
ľ	<u></u>	4.50E-08		4.66E-01		1.45E-11		0.073		0.89	0.13	0.2		0.00015	Chrysene
Averagi		********		4.66E-01		1.45E-09		7.3		0.89	0.13	0.2		0.00015	Benzo(a)pyrene
for Car	cPAHs			4.66E-01	cPAHs	1.45E-10		0.73		0.89	0.13	0.2	p==04	0.00015	Benzo(k)fluoranthene
Dermal	all	4.50E-07		4.66E-01	all	1.45E-10		0.73		0.89	0.13	0.2) de la constante de la consta	0.00015	Benzo(b)fluoranthene
Soil Inge	for	4.50E-07		4.66E-01	for	1.45E-10		0.73		0.89	0.13	0.2		0.00015	Benzo(a)anthracene
Exposur		1.53E-07	7.01E-04	1.55E+00		4.93E-11	2.26E-07	0.091	0.03	0.8	0.03	0.2	-	0.0005	1,2 Dichloroethane (EDC)
- xposin		0.00E+00	0.00E+00 0.00E+00	0.00E÷00		0.00E+00		85	0.000057	8.0	0.03	0.2	_	0	Ethylene Dibromide (EDB)
Averagi				0.00E+00										0	МТВЕ
Average			2.80E-03	1.245+01			9.02E-07		0.06	0.8	0.03	0.2	_	0.004	n-Hexane
for Non			1.28E-03	1.55E+00			4.13E-07		0.02	0.89	0.13	0.2	,	0.0005	Total Naphthalenes
1			8.34E-05	1.24E+01			2.68E-08		2	0.9	0.03	0.2	1	0.004	Total Xylenes
			2.08E-04	1.55E+00			6.70E-08		0.1	0.92	0.03	0.2		0.0005	Ethylbenzene
Ī			2.07E-04	3.11E+00			6.66E-08		0.2		0.03	0.2		0.001	Toluene
	Fai	1.71E-06	1.30E-01	3.11E+01		5.51E-10	4.17E-05	0.055	0.003	0.95	0.0005	0.2		0.01	Benzene
			1.86E+00	3.11E+03			6.00E-04		0.03	0.5	0.1	0.2	_	0.9997	AR_EC >21-34
···········			3.54E+00	5.90E+03			1.14E-03		0.03	0.5	0.1	0.2	_	1.89925	AR_EC >16-21
			5.59E-01	1.55E+03			1.80E-04		0.05	0.5	0.1	0.2		0.5	AR_EC >12-16
			4.20E-01	1.55E+03			1.35E-04		0.05	8.0	0.03	0.2	****	0.4995	AR_EC >10-12
			8.37E-01	3.09E+03			2.69E-04		0.05	0.8	0.03	0.2	****	0.9955	AR_EC>8-10
			6.43E-02	7.15E+03			2.07E-05	***************************************	2	0.5	0.1	0.2	_	2.3	Al. EC >21-34
			1.73E-01	1.93E+04			5.58E-05		ŧ->	0.5	0.1	0.2	_	6.2	AL_EC >16-21
			1.048+01	1.74E+04			3.36E-03		0.03	0.5	2	0.2	_	5.6	AL_EC >12-16
			2.100+00	4.66E+03			6.77E-04		0.03	0.8	0.03	0.2	-	-5	AL_EC>10-12
T			1.405+00	3.11E±03			4.51E-04		0.03	8.0	0.03	0.2	,	****	AL_EC >8-10
			7.38E-03	3.11E+03			2.46-06		5.7	0.8	0.03	0.2		****	AL_EC>6-8
			7.35E-03	3.09E÷03			2.4E-06		5.7	8.0	0.03	0.2		0.996	AL_EC >5-6
															Petroleum EC Fraction
T		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	mg/kg	
		RISK	Æ			RISK	Æ	CPF_o	RM,	2	ABS	ΑF	ABI	dry basis	or EC Group
	E 233 01			being tested	Fails							*****		Conc	Chemical of Concern
p, Ca	B			Soil Conc	Dage of									Measured Soil	
2 <u>용</u>		ondition	Adjusted Condition	,	tion	Current Condition	Cur	Toxicity Parameters	Toxicity	35	aramete	Exposure Parameters			*****
adj															

 a. "TPH Test" button below is for testing adjusted condition at a specified TPH oncentration.

Sheck columns at left for Pass/Fail detail.

|--|

Exposure Parameters	eters	
for Non-carcinogens		Units
Average Body Weight, ABW	16	kg
Averaging Time, AT	э́	٧r
Exposure Frequency, BF	_	unitless
Exposure Duration, ED	σ.	Уľ
Soil Ingestion Rate, SIR	0.000	mg/day
Dermal Surface Area, SA	2200	cm ₂
for Carcinogens		
Averaging time, AT C	75	Ϋ́

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB38-2.5

	Fail	1.00E-05	2.94E+03 1.00E-05	7.69E+06		2.74E-09	8.06E-01						İ	2111.1425	Sum
		5.27E-07		5.46E-01		1.45E-10		0.73		0.89	0.13	0.2		0.00015	Indeno(1,2,3-cd)pyrene
		2.11E-06		5.46E-01		5.79E-10		2.92		0.89	0.13	0.2		0.00015	Dibenzo(a,h)anthracene
	<u> </u>	5.27E-08		5.46E-01		1.45E-11		0.073		0.89	0.13	0.2	_	0.00015	Chrysene
Averaging time, /				5.46E-01		1.45E-09		7.3		0.89	0.13	0.2	_	0.00015	Benzo(a)pyrene
for Carcinogen	cPAHs			5.46E-01	cPAHs	1.45E-10		0.73		0.89	0.13	0.2	-	0.00015	Benzo(k)fluoranthene
Dermal Surface A	all	5.27E-07		5.46E-01	all	1.45E-10		0.73		0.89	0.13	0.2		0.00015	Benzo(b)fluoranthene
Soil Ingestion Rai	for	5.27E-07		5.46E-01	for	1.45E-10		0.73		0.89	0.13	0.2		0.00015	Benzo(a)anthracene
Exposure Duratio		.64E-03 3.59E-07	1.64E-03	3.64E+00		9.85E-11	4.51E-07	0.091	0.03	0.8	0.03	0.2	-	100.0	1,2 Dichloroethane (EDC)
Exposure Frequer		0.00E+00	0.00E+00 0.00E+00	0.00E+00		0.00E+00		8 5	0.000057	0.8	0.03	0.2	-	0	Ethylene Dibromide (EDB)
Averaging Time				0.00E+00										0	MIBE
Average Body Wei			2.22E-02	9.84E+01			6.09E-06		0.06	0.8	0.03	0.2		0.027	n-Hexane
for Non-carcino			3.01E-03	3.64E+00			8.26E-07		0.02	0.89	0.13	0.2	*****	0.001	Total Naphthalenes
Exp			2.44E-05	3.64E+00			6.71E-09		2	0.9	0.03	0.2		0.001	Total Xylenes
			4.88E-04	3.64E±00			1.34E-07		0.1	0.92	0.03	0.2		0.001	Ethylbenzene
			2.43E-04	3.64E+00			6.66E-08		0.2		0.03	0.2	_	100.0	Toluene
-		1.00E-07	7.60E-03	1.82E+00		2.75E-11	2.09E-06	0.055	0.003	0.95	0.0005	0.2	-	0.0005	Benzene
Ca			6.56E+01	1.09E+05			1.80E-02		0.03	0.5	0.1	0.2	-	29.9997	AR_EC >21-34
			3.93E+02	6.56E+05			1.08E-01		0.03	0.5	0.1	0.2	-	179,99925	AR_EC >16-21
II.			9.71E+01	2.70E+05			2.66E-02		0.05	0.5	0.1	0.2		74	AR_EC >12-16
			5.521:+00	2.04E+04			1.52E-03		0.05	0.8	0.03	0.2	koonin	5.599	AR_EC >10-12
			1.98E+01	7.32E+04			5.44E-03		0.05	0.8	0.03	0.2	house	20.098	AR_EC >8-10
 			2.75E+00	3.06E+05			7.56E-04		2	0.5	0.1	0.2	_	84	AL EC >21-34
			1.90E+01	2.11E+06		sk.	5.22E-03		2	0.5	2	0.2	_	580	AL_EC >16-21
			1.90E+03	3.17E+06			5.22E-01		0.03	0.5	0.1	0.2	_	870	AL_EC>12-16
			3.94E+02	8.74E+05			1.08E-01		0.03	8.0	0.03	0.2	_	240	AL_EC >10-12
Check Res			3.88E+01	8.60E+04			1.06E-02		0.03	8.0	0.03	0.2		23.6	AL_EC >8-10
			2.46E-02	1.03E+04			6.7E-06		5.7	0.8	0.03	0.2	,	2.84	AL_EC >6-8
C ₂			8.41E-03	3.54E+03			2.3E-06	•	5.7	0.8	0.03	0.2		0.973	AL_EC >5-6
															Petroleum EC Fraction
		unitless	unitless	mg/kg		unitless	unitless	kg-day/mg	mg/kg-day	unitless	unitless	mg/cm²-day	unitless	ту/ку	
		RISK	Æ			RISK	Đ	CPF,	R.D.	Ω	ABS	ΑF	ABI	dry basis	or EC Group
	Fail 9			being tested	Fair?		********							Сонс	Chemical of Concern
b. Check col	3			Soil Conc	Pace or						************			Measured Soil	
concentra		ondition	Adjusted Condition	,	tion	Current Condition	Cur	Toxicity Parameters	Toxicity	3	Paramete	Exposure Parameters			
adjusted o															

 a. "TPH Test" button below is for testing adjusted condition at a specified TPH itration. columns at left for Pass/Fail detail.

Cancer RISK = 1.000E-05
HI= 2.938E+03
TPH, mg/kg= 7691185.650
Adjusted Condition
Check Residual Saturation (WAC340-747(10))
Pass or Fail? Pass
Cancer RISK = 2.745E-09
HI= 8.065E-01
TPH, mg/kg= 2111.143
Current Condition

Exposure Parameters	ters	
for Non-carcinogens		Units
Average Body Weight, ABW	16	, ku
Averaging Time, AT	σ.	ÿr .
Exposure Frequency, EF		unitless
Exposure Duration, ED	51	Уf
Soil Ingestion Rate, SIR	200	eng/day
Dermal Surface Area, SA	2200	G (
for Carcinogens		
Averaging time, AT_C	75	Υ

Date: 3/27/2006 Site Name: 302095 Morton Sample Name: SB39-5

		Exposure Parameters	rameter	ž	Toxicity	oxicity Parameters		Current Candition	1			1-1-	
											rajusca Condition	nomannon	
Chemical of Concern Conc									Pass or	Soil Conc			Pass or
or EC Group dry basis	ABI	АF	ABS	Ω	RID	CPF,	Æ	RISK	Fall?	acag testen	#5	RISK	Fail?
mg/kg	unitless	mg/cm²-day	unitless	unitless	mg/kg-day	kg-day/mg	unitless	unitless		mo/ka	i Delit lasso		
Petroleum EC Fraction						96	0.000	Difference of		W. Gen	Churcss	unitiess	-
5-6		0.2	0.03	0.8	5.7					0 0017+00			
AL_EC >6-8 36.6	_	0.2	0.03	0.8	5.7		8.7E-05			8 245403	- 6 - 5 - 6 - 7		
AL_EC>8-10 46.2		0.2	0.03	0.8	0.03		2.08E-02			1.045+04	4 695+00	~~~~	
AL_EC >10-12 200		0.2	0.03	8.0	0.03		9.02E-02			4.50F±04	2 03E+01		
	,,,,,,	0.2	0.1	0.5	0.03		3.06E-01			1.15E±05	6 89E+01		
AL_EC >16-21 270	_	0.2	0.	9.5	2		2.43E-03			6.08E±04	5.47E-01		
AL EC>21-34 32	-	0.2	9.1	0.5	2		2.88E-04			7.20E+03	6,48E-02		·····
AR_EC>8-10 34.87		0.2	0.03	8.0	0.05		9.44E-03			7.85E+03	2.12E+00		
AR_EC >10-12 16.6		0.2	0.03	8.0	0.05		4.49E-03			3.74E+03	00+3101		
AR_EC >12-16 89		0.2	0	0.5	0.05		3.20E-02			2.00E+04	7.21E+00		
	_	0.2	0.1	0.5	0.03		7.80E-02			2.93E+04	1.76E+01	·····	
l_	_	L	0.1	0.5	0.03		1.20E-02			4.50E+03	2.70E+00		
		0.2	0.0005	0.95	0.003	0.055	2.96E-04	3.91E-09		1.60E±01		8.80E-07	
	- ,	0.2	0.8	· ···	0.2		1.03E-05						
Total Xvienes 0.46		2.2	003	0.92	, e.		6.43E-05				1.45E-02		
ı		0.2	3	0.89	0.00		3 200 04			1.01E#02	6.80E-04		
		0.2	0.03	© %	0.0 8-1		1.56E-03			1 20ETO1	2 \$00 01		
										0.00E+00	10-700-61		
	_	0.2	0.03	0.8	0.000057	85		0.00E÷00			0.00E+00 0.00E+00	0.00E±00	
	-	0.2	0.03	0.8	0.03	160'0	4.51E-07	9.85E-11			1.02E-04	2.22E-08	
		0.2	0.13	0.89		0.73		7.72E-09	for	1.80E+00		1.74E-06	for Soil In
		0.2	0.13	0.89		0.73		5.79E-09	all	1.35E+00	····	1.30E-06	
	_	0.2	0.13	0.89		0.73		1.93E-09	cPAHs	4.50E-01			cPAHs
	_	0.2	0.13	0.89		7.3		1.93E-08	_	4.50E-01			
		0.2	0.13	0.89	•••••	0.073		1.25E-09		2.93E+00		2.82E-07	<u>.</u>
	•	0.2	0.13	0.89		2.92	***************************************	3.86E-09		2.25E-01	***************************************	8.69E-07	******
o-cajpyrene	I	0.2	0.13	0.89		0.73		5.79E-10		1.35E-01		1.30E-07	
Sum 1393.726							5.58E-01	4.44E-08		3.14E+05	1.26E+02 1.00E-05	1.00E-05	Fail

a. "TPH Test" button below is for testing adjusted condition at a specified TPH concentration.
 b. Check columns at left for Pass/Fail detail.

Exposure Parameters	eters	
or Non-carcinogens		Units
tverage Body Weight, ABW	16	Кe
Averaging Time, AT	6	Ÿ,
exposure frequency, EF		unitless
Exposure Duration, ED	an.	শ
oil Ingestion Rate, SIR	200	mg/dav
Permal Surface Area, SA	2200	cm²,
or Carcinogens		
veraging time, AT C	75	J.Á

Cancer RISK= 1.000E-05

Pass or Fail?

Fail